

INTERNATIONAL SEARCH REPORT

International Application No

/EP2004/013918

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C09K5/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 086 782 A (WIELAND KENNETH F ET AL) 11 July 2000 (2000-07-11) cited in the application column 9, line 39 - line 46 column 8, line 54 - column 9, line 7 claims 1,2,4,14; table 2 -----	1,2
A	DE 100 31 020 A (LINDE GAS AG) 6 December 2001 (2001-12-06) the whole document -----	1,6
A	US 4 622 160 A (BEYRAU JOHN A ET AL) 11 November 1986 (1986-11-11) the whole document ----- -/--	1,2

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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Date of the actual completion of the international search

21 March 2005

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31/03/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DATABASE WPI Section Ch, Week 199118 Derwent Publications Ltd., London, GB; Class G04, AN 1991-129199 XP002237067 & JP 03 068681 A (IDEMITSU KOSAN CO LTD) 25 March 1991 (1991-03-25) abstract -----	1

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

PCT/EP2004/013918

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6086782	A	11-07-2000	NONE	
DE 10031020	A	06-12-2001	DE 10031020 A1	06-12-2001
			AT 258968 T	15-02-2004
			AU 6750501 A	11-12-2001
			DE 50101447 D1	11-03-2004
			WO 0192436 A1	06-12-2001
			EP 1287089 A1	05-03-2003
			ES 2215137 T3	01-10-2004
US 4622160	A	11-11-1986	NONE	
JP 3068681	A	25-03-1991	NONE	